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R Kuhn, R De Mori - 1988 - doi.ieeecomputersociety.org
... 6, JUNE 1990 570 IEE A Cache-Based Natural **Language Model** for Speech Recognition ...
Our work focuses on the **language model** incorporated in the second component. ...
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On **language** and connectionism: Analysis of a parallel distributed processing **model** of **language** ...
S Pinker, A Prince - Cognition, 1988 - comlab.ox.ac.uk
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An Object-Oriented **Language**-Database Integration **Model**: The Composition-Filters Approach
M Aksit, L Bergmans, S Vural - ECOOP, 1992 - trese.cs.utwente.nl
... with two different systems. Secondly, introducing database-like features into the object-oriented **language model** generally introduces ... 4. The **Language Model** ...
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A data **model** and query **language** for EXODUS
MJ Carey, DJ DeWitt, SL Vandenberg - SIGMOD Conference, 1988 - portal.acm.org
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Massively Parallel Parsing: A Strongly Interactive **Model** of Natural **Language** Interpretation
DL Waltz, JB Pollack - Cognitive Science, 1985 - leaonline.com
... to disambiguate." It is interesting to note that although our **model** is motivated ... by the neurolin- guistic concerns of modeling aphasiac **language** degradation. ...
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A one pass decoder design for large vocabulary recognition
JJ Odell, V Valtchev, PC Woodland, SJ Young - Proceedings ARPA Workshop on Human **Language** Technology, 1994 - portal.acm.org
... Therefore, until the word identity is uniquely defined, the highest **language model** probability of all words that **share** the instance is used. ...
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[BOOK] Subsymbolic natural **language** processing: an integrated **model** of scripts, lexicon, and memory
R Miikkulainen, J Pustejovsky - 1993 - psycprints.ecs.soton.ac.uk
... they are nearby in the map and **share** similar associative ... Miikkulainen, R. (1993) Subsymbolic Natural **Language** Processing: an Integrated **Model** of Scripts ...
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An IR Approach for Translating New Words from Nonparallel, Comparable Texts
P Fung, LY Yee, HLT Center, CW Bay, H Kong - COLING-ACL, 1998 - acl.ldc.upenn.edu
... translations are complicated by the fact that the two languages **share** very little ...
can be "rearranged" and cleaned up by a monolingual **language model** in the tar ...
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[PS] Geo-Relational Algebra: A **Model** and Query **Language** for Geometric Database Systems
RH Gueting - Workshop on Computational Geometry, 1988 - informatik.fernuni-hagen.de
... to use the algebra directly as a query **language**. ... and aggregate functions into the formal **model**, provides a much ... adjacent segments **share** an end point and no end ...
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[PS] EMail With A Mind of Its Own: The Safe-Tcl **Language** for Enabled Mail
NS Borenstein, M Rose - ULPAA, 1994 - guppylake.com
... The twin interpreter **model** makes it much easier to ... the functionality of the restricted Safe-Tcl **language**, but does ... Thus a community of users who **share** trust in ...
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IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

1. **On the deployment of RED on shared-memory buffers**
Agharebparast, F.; Leung, V.C.M.;
Communications Letters, IEEE
Volume 6, Issue 10, Oct. 2002 Page(s):458 - 460
Digital Object Identifier 10.1109/LCOMM.2002.804251
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1 Semantic analysis of shared-memory concurrent languages using abstract model-checking

Régis Cridlig

June 1995 **Proceedings of the 1995 ACM SIGPLAN symposium on Partial evaluation and semantics-based program manipulation**

Publisher: ACM Press

Full text available: pdf(1.30 MB) Additional Information: full citation, references, citings, index terms

2 Towards lazy evaluation, sharing, and non-determinism in resolution based functional logic languages

Feixiong Liu

July 1993 **Proceedings of the conference on Functional programming languages and computer architecture**

Publisher: ACM Press

Full text available: pdf(1.08 MB) Additional Information: full citation, references, citings, index terms

3 An object-based programming model for shared data

Gail E. Kaiser, Brent Hailpern

April 1992 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 14 Issue 2

Publisher: ACM Press

Full text available: pdf(3.28 MB) Additional Information: full citation, abstract, references, index terms, review

The classical object model supports private data within objects and clean interfaces between objects, and by definition does not permit sharing of data among arbitrary objects. This is a problem for real-world applications, such as advanced financial services and integrated network management, where the same data logically belong to multiple objects and may be distributed over multiple nodes on the network. Rather than give up the advantages of encapsulated objects in modeling real-world en ...

Keywords: coordination language, daemons, financial applications, object-based, real-time, sharing

4 Correctness properties in a shared-memory parallel language

Gilbert Caplain

November 2002 **Journal of the ACM (JACM)**, Volume 49 Issue 6

Publisher: ACM Press

Full text available: pdf(394.79 KB) Additional Information: full citation, abstract, references, index terms

We study a property of *correctness* of programs written in a shared-memory parallel language. This property is a semantic equivalence between the parallel program and its *sequential version*, that we define. We consider some standard parallel imperative language. Within this language, this correctness property follows from the preservation of data dependences by the control flow and the synchronizations. Our result makes use of the semantics of the sequential version only. Hence, thr ...

Keywords: Parallel computing

5 A task- and data-parallel programming language based on shared objects

Saniya Ben Hassen, Henri E. Bal, Ceriel J. H. Jacobs

November 1998 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 20 Issue 6

Publisher: ACM Press

Full text available: pdf(434.44 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Many programming languages support either task parallelism, but few languages provide a uniform framework for writing applications that need both types of parallelism or data parallelism. We present a programming language and system that integrates task and data parallelism using shared objects. Shared objects may be stored on one processor or may be replicated. Objects may also be partitioned and distributed on several processors.Task parallelism is achieved by forking processes remotely a ...

Keywords: data parallelism, shared objects, task parallelism

6 A flexible operation execution model for shared distributed objects

Saniya Ben Hassen, Irina Athanasiu, Henri E. Bal

October 1996 **ACM SIGPLAN Notices , Proceedings of the 11th ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications OOPSLA '96**, Volume 31 Issue 10

Publisher: ACM Press

Full text available: pdf(2.30 MB) Additional Information: full citation, abstract, references, citings, index terms

Many parallel and distributed programming models are based on some form of shared objects, which may be represented in various ways (e.g., single-copy, replicated, and partitioned objects). Also, many different operation *execution strategies* have been designed for each representation. In programming systems that use multiple representations integrated in a single object model, one way to provide multiple execution strategies is to implement each strategy independently from the others. How ...

7 PA3 a general-purpose, time-shared Problem Analysis language

D. G. Ebeling, E. G. Hurst

December 1969 **Proceedings of the third conference on Applications of simulation**

Publisher: Winter Simulation Conference

Full text available: pdf(540.86 KB) Additional Information: full citation, abstract, references, index terms

A general-purpose, time-shared language for modeling and solving problems which

exhibit uncertainty in the input variables is presented. The language is described in terms of some comparative measures of simulation systems. A simple example is worked to demonstrate the major features of the language. Examples of actual problems which have been solved are described to illustrate the breadth of possible applications.

8 Special issue on Machine learning methods for text and images: A neural probabilistic language model

Yoshua Bengio, Réjean Ducharme, Pascal Vincent, Christian Janvin
March 2003 **The Journal of Machine Learning Research**, Volume 3
Publisher: MIT Press
Full text available: pdf(128.42 KB) Additional Information: full citation, abstract, index terms

A goal of statistical language modeling is to learn the joint probability function of sequences of words in a language. This is intrinsically difficult because of the **curse of dimensionality**: a word sequence on which the model will be tested is likely to be different from all the word sequences seen during training. Traditional but very successful approaches based on n-grams obtain generalization by concatenating very short overlapping sequences seen in the training set. We propose to fig ...

9 Comparing coordination models based on shared distributed replicated data

Marcello M. Bonsangue, Joost N. Kok, G. Zavattaro
February 1999 **Proceedings of the 1999 ACM symposium on Applied computing**
Publisher: ACM Press
Full text available: pdf(1.31 MB) Additional Information: full citation, references, citings, index terms

Keywords: coordination models, distributed dataspace, shared dataspace, software architectures, transition system semantics

10 The concurrent language, Shared Prolog

Antonio Brogi, Paolo Ciancarini
January 1991 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 13 Issue 1
Publisher: ACM Press
Full text available: pdf(1.63 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Shared Prolog is a new concurrent logic language. A Shared Prolog system is composed of a set of parallel agents that are Prolog programs extended by a guard mechanism. The programmer controls the granularity of parallelism, coordinating communication and synchronization of the agents via a centralized data structure. The communication mechanism is inherited from the blackboard model of problem solving. Intuitively, the granularity of the logic processes to be elaborated in parallel is larg ...

Keywords: blackboard, distributed programming, languages for distributed programming, logic programming, metainterpretation, parallel programming, transition systems

11 Challenges in information retrieval and language modeling: report of a workshop held at the center for intelligent information retrieval, University of Massachusetts Amherst, September 2002

James Allan, Jay Aslam, Nicholas Belkin, Chris Buckley, Jamie Callan, Bruce Croft, Sue Dumais, Norbert Fuhr, Donna Harman, David J. Harper, Djoerd Hiemstra, Thomas Hofmann,

Eduard Hovy, Wessel Kraaij, John Lafferty, Victor Lavrenko, David Lewis, Liz Liddy, R. Manmatha, Andrew McCallum, Jay Ponte, John Prager, Dragomir Radev, Philip Resnik, Stephen Robertson, Roni Rosenfeld, Salim Roukos, Mark Sanderson, Rich Schwartz, Amit Singhal, Alan Smeaton, Howard Turtle, Ellen Voorhees, Ralph Weischedel, Jinxi Xu, ChengXiang Zhai
April 2003 **ACM SIGIR Forum**, Volume 37 Issue 1
Publisher: ACM Press
Full text available: pdf(1.60 MB) Additional Information: full citation, citings, index terms, review

12 Models and languages for parallel computation
David B. Skillicorn, Domenico Talia
June 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 2
Publisher: ACM Press
Full text available: pdf(298.05 KB) Additional Information: full citation, abstract, references, citings, index terms

We survey parallel programming models and languages using six criteria to assess their suitability for realistic portable parallel programming. We argue that an ideal model should by easy to program, should have a software development methodology, should be architecture-independent, should be easy to understand, should guarantee performance, and should provide accurate information about the cost of programs. These criteria reflect our belief that developments in parallelism must be driven b ...

Keywords: general-purpose parallel computation, logic programming languages, object-oriented languages, parallel programming languages, parallel programming models, software development methods, taxonomy

13 Session 12: languages and runtime libraries: Global arrays: a portable "shared-memory" programming model for distributed memory computers
Jaroslaw Nieplocha, Robert J. Harrison, Richard J. Littlefield
November 1994 **Proceedings of the 1994 ACM/IEEE conference on Supercomputing**
Publisher: ACM Press
Full text available: pdf(1.08 MB) Additional Information: full citation, abstract, references

Portability, efficiency, and ease of coding are all important considerations in choosing the programming model for a scalable parallel application. The message-passing programming model is widely used because of its portability, yet some applications are too complex to code in it while also trying to maintain a balanced computation load and avoid redundant computations. The shared-memory programming model simplifies coding, but it is not portable and often provides little control over interproce ...

14 Federated databases and systems: part I --- a tutorial on their data sharing
David K. Hsiao
July 1992 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 1 Issue 1
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(2.99 MB) Additional Information: full citation, abstract, references, citings

The issues and solutions for the interoperability of a class of heterogeneous databases and their database systems are expounded in two parts. Part I presents the data-sharing issues in federated databases and systems. Part II, which will appear in a future issue, explores resource-consolidation issues. *Interoperability* in this context refers to data sharing among heterogeneous databases, and to resource consolidation of computer hardware, system software, and support personnel. *Resour* ...

Keywords: *attribute-based, data-model-and-language-to-data-model-and-language mappings, database conversion, hierarchical, network, object-oriented, relational, schema transformation, transaction translation*

15 Modeling shared variables in VHDL
Jan Madsen, Jens P. Brage
September 1994 **Proceedings of the conference on European design automation**
Publisher: IEEE Computer Society Press
Full text available: pdf(459.91 KB) Additional Information: full citation, references, index terms

16 An equational object-oriented data model and its data-parallel query language
Susumu Nishimura, Atsushi Ohori, Keishi Tajima
October 1996 **ACM SIGPLAN Notices , Proceedings of the 11th ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications OOPSLA '96**, Volume 31 Issue 10
Publisher: ACM Press
Full text available: pdf(1.98 MB) Additional Information: full citation, abstract, references, citings, index terms

This paper presents an equational formulation of an object-oriented data model. In this model, a database is represented as a *system of equations* over a set of oid's, and a database query is a transformation of a system of equations into another system of equations. During the query processing, our model maintains an *equivalence relation* over oid's that relates oid's corresponding to the same "real-world entity." By this mechanism, the model achieves a declarative set-based query l ...

17 Performance evaluation of the Orca shared-object system
Henri E. Bal, Raoul Bhoedjang, Rutger Hofman, Ceriel Jacobs, Koen Langendoen, Tim Rühl, M. Frans Kaashoek
February 1998 **ACM Transactions on Computer Systems (TOCS)**, Volume 16 Issue 1
Publisher: ACM Press
Full text available: pdf(179.39 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Orca is a portable, object-based distributed shared memory (DSM) system. This article studies and evaluates the design choices made in the Orca system and compares Orca with other DSMs. The article gives a quantitative analysis of Orca's coherence protocol (based on write-updates with function shipping), the totally ordered group communication protocol, the strategy for object placement, and the all-software, user-space architecture. Performance measurements for 10 parallel applications ill ...

Keywords: distributed shared memory, parallel processing, portability

18 Implementing a shared dataspace language on a message-based multiprocessor
G.-C. Roman, K. C. Cox
April 1989 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 5th international workshop on Software specification and design IWSSD '89**, Volume 14 Issue 3
Publisher: ACM Press
Full text available: pdf(1.07 MB) Additional Information: full citation, references, citings, index terms

19 Programming languages for distributed computing systems

Henri E. Bal, Jennifer G. Steiner, Andrew S. Tanenbaum

September 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 3

Publisher: ACM Press

Full text available: pdf(6.50 MB) Additional Information: full citation, abstract, references, citings, index terms, review

When distributed systems first appeared, they were programmed in traditional sequential languages, usually with the addition of a few library procedures for sending and receiving messages. As distributed applications became more commonplace and more sophisticated, this ad hoc approach became less satisfactory. Researchers all over the world began designing new programming languages specifically for implementing distributed applications. These languages and their history, their underlying pr ...

20 Guidelines for selecting a financial modeling language

Donald A. Heckerman, Ian J. Adams

January 1978 **Proceedings of the 10th conference on Winter simulation - Volume 1**

Publisher: IEEE Press

Full text available: pdf(440.66 KB) Additional Information: full citation, abstract, index terms

The purpose of this paper is two-fold. First, to describe some of the different types of computer software which can be used to develop financial models, and to indicate the advantages and disadvantages of each type. Second, to suggest a set of guidelines for relating the financial modeling needs of the user to the attributes of the numerous financial modeling languages which are currently available. The discussion and guidelines are based on Ernst & Ernst's experience in car ...

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L1	4	common$3 near2 text$3 near2 framework$2	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
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L3	12	(shar$3 combin$3) with (multipl$3 plural$3 several$3) adj3 language$2 near3 model$2	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
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L7	8	common$3 with text$3 near4 framework$2	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L8	0	neural near2 network and common with text with framework and abstract$4	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
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L20	1	common$3 near2 text$3 with (multipl$3 plural$3) near4 application$2	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
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L25	0	common with text$3 with (application$2 program$2) same (summar$3 abstract$2) same language$3 near3 model$	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
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L27	1	"6285785".pn.	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
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L30	53	application with program$5 with interface$3 same framework same text	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
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L32	53	application with program$5 with interface$3 same framework same text and (summar$3 abstract$3)	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
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L35	3	(("6052525") or ("6308187") or ("6285785")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/27 08:02
L36	11	(correct error) with path$3 with lattice$2	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L37	15	(N-gram N$gram bi$gram 2$gram) with lattice$2	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L38	115	(shar$3 combin$3) near5 language$2 near3 model$2 and context$5 with model$3	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02

L39	161	(("5890171") or ("5907598") or ("5933811") or ("5944793") or ("5966451") or ("5982445") or ("6005482") or ("6105021") or ("6131067") or ("6144988") or ("6173296") or ("6185586") or ("6192363") or ("6205432") or ("6226752") or ("6226752") or ("6236661") or ("6275829") or ("6289342") or ("6324538") or ("6347320") or ("6353483") or ("6362895") or ("6381032") or ("6381637") or ("6385592") or ("6396500") or ("6396593") or ("6397219") or ("6418471") or ("6429947") or ("6433835") or ("6456305") or ("6466940") or ("6487538") or ("6556308") or ("6559966") or ("6670968") or ("6674453") or ("6728934") or ("5689616") or ("5278943") or ("5911129") or ("5301313") or ("5625748") or ("5734863") or ("5748841") or ("5752227") or ("5754978") or ("5758320") or ("5819264") or ("5949961") or ("5974254") or ("5990906") or ("6098035") or ("6138270") or ("4424415") or ("4862408") or ("5475851") or ("5481741") or ("5485600") or ("5486872") or ("5493507") or ("5504917") or ("5510981") or ("5664129") or ("5751905") or ("5799276") or ("5832428") or ("5838972") or ("5850627") or ("5852801") or ("5864789") or ("5930746") or ("5966532") or ("6002863") or ("6035324") or ("6052657") or ("6053951") or ("6064812") or ("6064816") or ("6073097") or ("6092043") or ("6092034") or ("6094528") or ("6101468") or ("6104317") or ("6102965") or ("6173438") or ("6249761") or ("6282699") or ("6292779") or ("6349282") or ("6374210") or ("6401237") or ("6499014") or ("6546369") or ("6618702") or ("6690981") or ("6715139") or ("5806033") or ("5809266") or ("6160549") or ("6226611") or ("6226611") or ("5228121") or ("5675745") or ("5920859") or ("6098047") or ("6157380") or ("6219453") or ("6219453") or ("5412567") or ("5481740") or ("5586314") or ("5615286") or ("5652909") or ("5675710") or ("5680511") or ("5819220") or	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02

L40	132	(("6363488") or ("6389402") or ("6427140") or ("5946499") or ("6317781") or ("6470381") or ("4595980") or ("4566078") or ("4615002") or ("6138088") or ("6243711") or ("6389395") or ("6343328") or ("6463433") or ("6285786") or ("6363348") or ("5596752") or ("6122657") or ("5511193") or ("5923736") or ("6253219") or ("6457024") or ("5883986") or ("6157905") or ("6470364") or ("5742816") or ("5794050") or ("5956736") or ("5991755") or ("6029135") or ("6101509") or ("6125362") or ("6253177") or ("6334102") or ("6424980") or ("6437805") or ("6725424") or ("5010486") or ("6351761") or ("5544305") or ("5758319") or ("6223190") or ("6223190") or ("5500920") or ("5734882") or ("5809498") or ("5617488") or ("6167367") or ("6178426") or ("6718337") or ("6173316") or ("5231698") or ("5220649") or ("5231578") or ("5717794") or ("5870741") or ("5959867") or ("5966719") or ("6092068") or ("6434581") or ("6442578") or ("6473523") or ("5897616") or ("6161090") or ("5544320") or ("5706434") or ("6023684") or ("6049805") or ("6405111") or ("6529871") or ("6188401") or ("6150962") or ("5933525") or ("5467425") or ("5640487") or ("5752001") or ("5828999") or ("6154722") or ("6173335") or ("6615266") or ("5732398") or ("5774845") or ("5970459") or ("6240448") or ("5524137") or ("5583970") or ("5687366") or ("5878418") or ("5968127") or ("6061699") or ("6061699") or ("6112199") or ("6185535") or ("6247047") or ("6263051") or ("6281886") or ("6307641") or ("6353831") or ("6438545") or ("6587547") or ("6594347") or ("6606596") or ("6658093") or ("6708153") or ("6014678") or ("5819092") or ("6021439") or ("6044385") or ("6052716") or ("6070185") or ("6111661") or ("6131110") or ("6192383") or ("5339392") or ("5572643") or ("5649024") or ("5659729") or ("5701451") or ("5710918") or ("5717913") or	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02

L41	3	document with neural near2 network and languag$3 near3 model$3	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L42	172	framework with (abstract$4 summar$3) and languag$ near4 model$5 and context$5	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L43	9	framework with (abstract$4 summar$3) and languag$ near4 model$5 same context$5	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L44	364	704/1.ccls.	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L45	882	704/9.ccls.	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L46	58	704/1,9.ccls. and languag$ near4 model$5 with context$5	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L47	250	704/1,9.ccls. and languag$ near4 model$5	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L48	4	704/202.ccls. and languag$ near4 model$5	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L49	58	704/202.ccls.	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L50	737	704/219.ccls.	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L51	151	704/232.ccls.	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L52	598	704/231.ccls.	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L53	4	L50 and languag$ near4 model$5	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L54	22	L51 and languag$ near4 model$5	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L55	150	L52 and languag$ near4 model$5	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L56	32	704/250.ccls. and languag$ near4 model$5	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L57	125	704/250.ccls.	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L58	641	704/251.ccls.	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L59	182	704/251.ccls. and languag$ near4 model$5	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L60	222	multipl$3 with languag$3 near5 model$5	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L61	7	multipl$3 with languag$3 near5 model$5 same (insert$5 input$5) with text$6	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02

L62	24	multipl$3 near5 model$5 same (insert$5 input$5) with text$6	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L63	7	(combin$3 shar$5 join$3 plural$5 multipl$3) near3 languag$3 near2 models same (insert$5 input$5) with text$6	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L64	8	(combin$3 shar$5 join$3 plural$5 multipl$3) with languag$3 near2 models same (insert$5 input$5) with text$6	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L65	8	(combin$3 shar$5 join$3 plural$5 multipl$3) with languag$3 near2 models same (insert$5 input$5) with text$6	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L66	30	(combin$3 shar$5 join$3 plural$5 multipl$3) with languag$3 near2 model$5 same (insert$5 input$5) with text$6	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L67	24	704/255 and multipl$3 with languag$3 near5 model$5	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L68	5	704/250 and multipl$3 with languag$3 near5 model$5	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L69	24	704/251 and multipl$3 with languag$3 near5 model$5	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L70	22	704/257 and multipl$3 with languag$3 near5 model$5	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L71	713	704/257	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L72	317	704/250	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L73	1204	704/251	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L74	753	704/255	US-PGPUB; USPAT	OR	OFF	2005/10/27 08:02
L75	3	("5764852" | "6122614" | "6202050").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/27 08:02
L76	8	("5502774" | "5659771" | "5680511" | "5852801" | "5864805" | "6161083" | "6182028" | "6424983").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/27 08:02
L77	259	715/533.ccls.	USPAT	OR	OFF	2005/10/27 08:02
L78	1658	715/500,500.1,501.1.ccls.	USPAT	OR	OFF	2005/10/27 08:02
L79	9	715/500,500.1,501.1.ccls. and handl$4 same multipl$3 with input$5	USPAT	OR	OFF	2005/10/27 08:02

L80	70	715/500,500.1,501.1.ccls. and handl$4 and multipl$3 with input$5	USPAT	OR	OFF	2005/10/27 08:02